

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 January 2001 (25.01.2001)

PCT

(10) International Publication Number
WO 01/06299 A1

(51) International Patent Classification⁷: **G02B 27/22**,
H04N 13/00

(21) International Application Number: PCT/GB00/02736

(22) International Filing Date: 17 July 2000 (17.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9916715.7 19 July 1999 (19.07.1999) GB

(71) Applicant (for all designated States except US): **THE SECRETARY OF STATE FOR DEFENCE** [GB/GB];
Defence Evaluation and Research Agency, Ively Road,
Farnborough, Hampshire GU14 0XL (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CHEN, Cheng-Huan**
[—/NL]; Hertog H. van Brabantplein 48, NL-5611 PH
Eindhoven (NL).

(74) Agents: **REGAN, Heather**; Harrison Goddard Foote, 11c
Compstall Road, Marple Bridge, Stockport SK6 5HH et al.
(GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

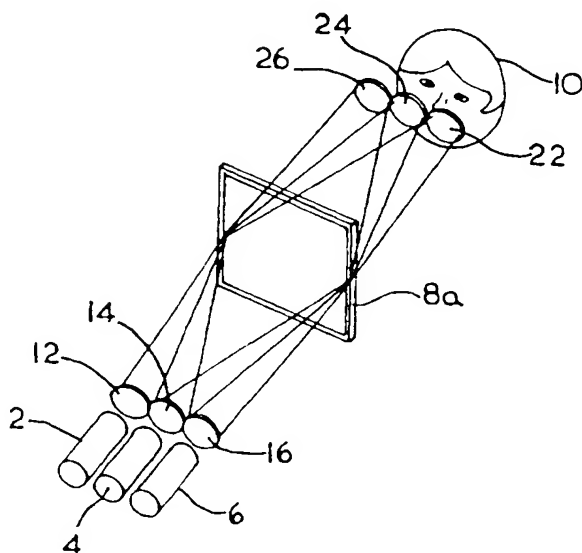
Published:

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOUND LENS ARRANGEMENT FOR USE IN LENS ARRAYS



(57) Abstract: A compound lens arrangement for use in an array of such lens arrangements comprising at least two lens elements including a front lens element having a front lens surface which is the largest diameter lens surface in the compound lens arrangement, wherein the exit pupil of the compound lens is bounded by and lies in the plane of the edge of said front lens surface. This enables the compound lens arrangements in an array to abut. The invention particularly relates to compound lens arrangements for use in projectors which projectors are used in an array in an autostereo projection system and allows adjacent projectors to abut.

WO 01/06299 A1